

Message Text

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ACTION EB-07

INFO OCT-01 ISO-00 DODE-00 NSAE-00 TRSE-00 ERDA-05 CIAE-00

COME-00 MC-02 ACDA-05 EUR-12 EA-06 AID-05 /043 W

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TO SECSTATE WASH DC 7350

C O N F I D E N T I A L SECTION 01 OF 02 OECD PARIS 14226

EXCON

E.O. 11652 XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW: IL 1081 - AIRCRAFT MANUFAC-
TURING MACHINERY

REFS: A. COCOM DOC REV (74) 1081/2

B. STATE 126776

SUMMARY: UK INTELLIGENCE EXPERT PROVIDED ADDITIONAL EVIDENCE OF SOVIET MANUFACTURING CAPABILITY AND COUNTERED US ROUND II CLAIM THAT PRC CAPABILITY IS ONLY EQUIVALENT TO WORLD WAR II TECHNOLOGY . IN LIGHT OF THIS NEW INFO, USDEL FELT UNABLE TO OBJECT AS INSTRUCTED REF B. WHILE UK DID NOT PROVIDE SUGGESTIONS FOR SPECIFIC EXCLUSIONS, IT DID MAKE COUNTERPROPOSAL FOR RETENTION OF ITEM WITH ADMINISTRATIVE EXCEPTION NOTE (ALONG THE LINES OF NOTE 2, IL 1305) PERMITTING EXPORT OF EQUIPMENT IN PRODUCTION FOR TEN YEARS. ALL OTHER DELS AGREED TO UK PROPOSAL, USDEL RESERVED, AND ITEM RESCHEDULED FOR JUNE 23. ACTION REQUESTED: INSTRUCTIONS BY THAT DATE TO AGREE TO UK PROPOSAL OR TO OFFER REASONABLE COUNTERPROPOSAL. END SUMMARY

1. IN OPENING JUNE 2 DISCUSSION, USDEL NOTED WE HAD THUS FAR RECEIVED NO RESPONSE TO OUR ROUND II SUGGESTION THAT UK CONSIDER A MORE MODEST REVISION OF IL 1081
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THAN ITS DELETION, WHICH--AS PREVIOUSLY STATED--US WAS

NOT PREPARED TO ACCEPT. UKDEL REPLIED THAT HIS AUTHORITIES FELT THAT US HAD NOT TAKEN SUFFICIENT ACCOUNT OF EVIDENCE OF BLOC CAPABILITY WHICH UK HAD ADDUCED IN PREVIOUS ROUNDS, AND INTRODUCED DEFENSE INTELLIGENCE STAFF EXPERT, JOSEPH, WHO MADE PRESENTATION ON (A) FRESH EVIDENCE OF SOVIET CAPABILITY BASED, INTER ALIA, ON EXAMINATION OF SOVIET EXHIBITS AT CURRENT PARIS AIR SHOW AT LE BOURGET, AND (B) LOGICAL REFUTATION OF US ROUND II CONTENTION THAT PRC CAPABILITY IS ONLY EQUIVALENT TO WESTERN LEVEL OF TECHNOLOGY CURRENT DURING WORLD WAR II.

2. WITH REGARD TO SOVIET CAPABILITIES, JOSEPH CITED THREE SPECIFIC FIELDS FROM WHICH HE FELT ONE COULD DERIVE EVIDENCE OF SOVIET CAPABILITIES:

(A) THE SOVIET SPACE EXHIBIT GAVE EVIDENCE THAT SOVIETS ARE USING MODERN TECHNOLOGY IN FABRICATING COMPONENTS. HE CITED TOOLING MARKS ON THESE COMPONENTS AS EVIDENCE OF NC AND SKIN MILL CAPABILITY.

(B) IN METALLURGY, HE NOTED THAT SOVIETS WERE SHOWING SOME OF THE LARGEST FORGED COMPONENTS EVER EXHIBITED, WHICH PROVED THEIR ABILITY TO FORGE LIGHT ALLOYS; AND THEIR ABILITY TO DO PRECISION CASTING IN NICKEL AND TITANIUM ALLOYS. HE STATED SOVIETS WERE OFFERING LICENSING ARRANGEMENTS IN DIRECTIONAL SOLIDIFICATION AND VACUUM CASTING.

(C) STAT EXHIBITS OF SOVIET AIRCRAFT CONVINCED UK EXPERT THAT SOVIETS ARE AS ADVANCED AS THE WEST IN MANUFACTURING AIRCRAFT. AS AN EXAMPLE, HE POINTED OUT THAT THE TU 154 GIVES EVIDENCE OF SKIN MILLING BY CHEMICAL MEANS, PARTICULARLY WITH REGARD TO WINGS AND LANDING GEAR WELLS. YAK 40 USES MODERN SKIN BONDING TECHNIQUES (OF TYPE USED ON LOCKHEED TRI STAR), AND TU-144 (SOVIET SST) GIVES EVIDENCE OF USE OF MODERN TECHNOLOGY COMPARABLE TO THAT IN THE WEST SUCH AS ADVANCED SKIN MILLING WITH NC EQUIPMENT. THESE MODERN ADVANCEMENTS ALSO REFLECTED IN FABRICATION OF

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ILYUSHIN 76, AN ADVANCED MILITARY CARGO TRANSPORT.

3. AS TO CHINA, THE UK EXPERT ADMITTED THAT WHILE THERE WAS NOT AS MUCH CONCRETE INFORMATION AVAILABLE, IT WAS WRONG FOR THE US TO COMPARE CURRENT PRC AIRCRAFT WITH THOSE PRODUCED IN WORLD WAR II. THIS STATEMENT WAS SUBSTANTIATED ON BASIS OF CURRENT PRC CAPABILITIES WHICH WERE NOT IN EXISTENCE DURING WORLD WAR II: PRC PRODUC-

TION OF JET AIRCRAFT, SUPERSONIC AIRCRAFT, AS WELL AS

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INFO OCT-01 ISO-00 DODE-00 NSAE-00 TRSE-00 ERDA-05 CIAE-00

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AIRCRAFT WITH PRESSURIZED CABINS. ON BASIS OF FOREGO-
ING UK EXPERT BELIEVED PRC HAD DEMONSTRATED CAPABILITY
FAR BEYOND THAT OF WEST BY L945. HE ALSO
NOTED THAT PRC HAD MADE TREMENDOUS PROGRESS IN MISSILE,
SPACE, AND MILITARY NUCLEAR ENERGY FIELDS. THIS COULD
NOT HAVE BEEN ACCOMPLISHED WITHOUT GREAT DEAL OF KNOW-
LEDGE IN METALLURGY AND PRODUCTION PROCESSES. FINALLY,
UK EXPERT POINTED OUT THAT CHINESE WERE GOOD AT IMPRO-
VISION.

4. FOLLOWING FOREGOING PRESENTATION, UKDEL REQUESTED
US TO RECONSIDER ITS POSITION ON UK PROPOSAL TO DELETE
IL 1081, WHILE GERDEL NOTED THAT IN VIEW OF HIS AUTHOR-
ITIES, ALL SIGNIFICANT EQUIPMENT PRESENTLY COVERED BY
THIS ITEM DEPENDED ON NUMERICAL CONTROL OPERATION FOR
REQUISITE ACCURACY. EVEN IF 1081 DELETED, THEREFORE,
EQUIPMENT WOULD STILL BE COVERED BY IL 1091. IN LIGHT
OF FOREGOING, USDEL DID NOT FEEL IT POSSIBLE TO COMPLY
WITH REFTEL INSTRUCTIONS TO OBJECT TO UK PROPOSAL, BUT
UNDERTOOK TO CONVEY UK COMMENTS TO HIS AUTHORITIES FOR
FURTHER STUDY--RETAINING HIS RESERVE IN MEANTIME. OFF
THE RECORD, HOWEVER, HE INDICATED HE HAD RECEIVED IN-
STRUCTIONS TO OBJECT AND STRESSED US CONCERNS WITH DE-

LETION OF THIS ITEM.

5. AFTER FURTHER DISCUSSION, UK OFFERED COUNTERPROPOSAL
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FOR RETENTION OF IL 1081 WITH ADDITION OF AE NOTE AS
FOLLOWS:"GOVERNMENTS MAY PERMIT AS ADMINISTRATIVE EXCEP-
TIONS THE SHIPMENT OF MACHINERY EMBARGOED BY THE ABOVE
DEFINITION PROVIDED THAT IT DOES NOT PRESENT AN IMPROVE-
MENT IN KIND AND/OR QUALITY ON MACHINERY IN PRODUCTION
BEFORE JANUARY 1 OF THE YEAR 10 YEARS PRECEDING THE
YEAR OF THE PROPOSED EXPORT". THE TERM "IMPROVEMENT IN
KIND AND/OR QUALITY" APPLIES ONLY TO TECHNICAL DEVELOP-
MENTS RESULTING IN A MATERIAL INCREASE IN EFFICACY OR
RELIABILITY TO ACHIEVE THE EXCEPTIONALLY CLOSE TOLER-
ANCES IN ANY CONTOUR REQUIRED FOR MILITARY PURPOSES.

6. UKDEL POINTED OUT IN SUPPORT OF ITS COMPROMISE, AND
IN RELATION TO JOSEPH'S EARLIER PRESENTATION, THAT
STRETCH PRESSES HAVE BEEN AVAILABLE IN WEST FOR 35 TO 40
YEARS, NON-N/C SKIN MILLING EQUIPMENT FOR 20 YEARS, AND
N/C SKIN MILLS FOR AT LEAST 15 YEARS.

7. ALL PC'S CONCURRED IN UK COMPROMISE, WITH SEVERAL,
PARTICULARLY FRANCE, BELIEVING TIME LIMIT OF TEN YEARS
TOO LONG. US RESERVED AND INDICATED IT WOULD STUDY PRO-
POSAL BUT WAS NOT OPTIMISTIC OVER ACCEPTANCE OF TIME LI-
MIT CONCEPT FOR THIS ITEM. AT UK INSISTENCE, ITEM RE-
SCHEDULED AGAIN FOR JUNE 23 FOR RECEIPT OF US VIEWS.

8. USDEL COMMENT: IT WAS OBVIOUS FROM UK PREPARATION,
PRESENTATION, AND EFFORTS TO SEEK COMPROMISE SOLUTION
THAT UK PLACES GREAT DEAL OF IMPORTANCE ON ACHIEVING
SOME DEGREE OF LIBERALIZATION ON THIS ITEM. AS THIS BE-
CAME EVIDENT, DEL DID NOT BELIEVE US SHOULD OBJECT AS
INSTRUCTED, PARTICULARLY SINCE UK DID NOT OBJECT TO US
PROPOSAL ON IL 1080 (SEPTTEL) AND ASSISTED IN GETTING
AGREEMENT ON THAT ITEM DESPITE THEIR STRONGLY VOICED
RESERVATIONS.

9. ACTION REQUESTS: US CONSIDERATION OF UK COMPROMISE
PROPOSAL AND POSITION IN TIME FOR JUNE 23 DISCUSSION.
IF THE US IS UNABLE TO ACCEPT UK COMPROMISE IT SHOULD
DEVELOP A FURTHER COUNTERPROPOSAL OF ITS OWN FOR EARLY
SUBMISSION, ONE WHICH TAKES ACCOUNT OF SOVBLOC AND PRC
PROGRESS IN THIS FIELD.

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